

# ENGINEERING CHANGE NOTICE

<b>DART AEROSPACE LTD</b>		Amendment Design Review (ADR) Yes/No: <b>Y</b>	<b>ECN #:</b> 909
Date: 07.01.31		ADR Date: <b>07.01.26</b>	
Job No: <b>00057</b>		Created By: <b>PH</b>	Checked By: <b>IP</b>
Product No: D412-742		Approved By: <b>[Signature]</b>	Approved By: <b>[Signature]</b>
Product Name: FLOAT SKIDTUBES		(Proj. Manager)	(Management if reqd)

**Documents Affected:**  
RELEASE DSI 9364 REV. A, D3591 REV. A

#	Engineering Actions	Yes	No	Responsible	To happen by:	Complete
1	Required Documents/Drawings Under Review?	X		PH	ASAP	07.06.06 <b>[Signature]</b>
2	Update Blue/Pink Folder/Electronic File	X		KJ	ASAP	07.01.31 <b>[Signature]</b>
3	Update DSI Folder/Electronic File	X		KJ	ASAP	07.01.31 <b>[Signature]</b>
4	Update D-Part Master Binder	X		KJ	ASAP	07.02.01 <b>[Signature]</b>
5	Update Grey Project Binder	X		<del>KJ</del> PH	07.02.02	07.06.06 <b>[Signature]</b>
6	Update DEO/DSI Binder	X		KJ	ASAP	07.02.01 <b>[Signature]</b>
7	Update Master Document List (MDL) <i>Rev. H</i>	X		KJ	07.02.02	07.01.31 <b>[Signature]</b>
8	Update Document Record (DR) <i>Rev. F</i>	X		KJ	07.02.02	07.01.31 <b>[Signature]</b>
9	Update Change Record Form	X		KJ	ASAP	07.01.31 <b>[Signature]</b>
10	Move Electronic File	X		KJ	ASAP	07.01.31 <b>[Signature]</b>
11	Notify TC of Change		X			
12	Notify FAA of Change		X			
13	Update QSI 021 (TC/FAA STC)		X			
14	Update QSI 036 (K-Kits)		X			
15	Update Accpac Database	X		KJ	ASAP	07.01.31 <b>[Signature]</b>
16	Update Access Database	X		KJ	ASAP	07.01.31 <b>[Signature]</b>
17	Verification ARC	X		KJ/PH	ASAP	07.01.31 <b>[Signature]</b>
18	Update STC Approval List		X			
19	Update Product Development Summary		X			
20	Create/Update COSS (Estimate/BOM)	X		EC/JLM	ASAP	07.01.31 <b>[Signature]</b>
21	Create/Update PPP's	X		KJ	ASAP	07.01.31 <b>[Signature]</b>
22	Update Paperwork Kits in Production	X		KJ/LL	ASAP	07.01.31 <b>[Signature]</b>
23	Update Paperwork Kits in Stock	X		KJ/LL	ASAP	NONE IN STOCK
24	Red Tag Stock with old CHG #		X			
25	Rework/Scrap Current Production	X		LL/PH	ASAP	07.03.19 <b>[Signature]</b>
26	Rework/Scrap Kits in Stock?	X		LL/PH	ASAP	NONE IN STOCK
27	Update Qpulse/Laminated Dwgs		X			
28	Create/Update Controlled PDF Files	X		KJ	ASAP	07.01.31 <b>[Signature]</b>
29	Create/Update FAI sheets		X			
30	Create/Update CNC Programs		X			
31	Create/Update Tooling		X			
32	MPP required?		X			
33	Notify Previous Customers		X			
34	Notify Eurocopter France		X			
35						
36						

**Description / Action:** **-04/043**  
 -WHEN USING DSI 9364 ON D412-742-011/-013 CHG NUMBER IS 002, ATTACH DSI 9364 TO PAPERWORK  
 -REWORK D412-742-013 B28306/B28307/B28308 IN STOCK (BECOMES B30472/B30473/B30474)  
 -REWORK D412-742-013 B29926/B29927/B30359/B30360/B30361/B30362/B30363 IN PRODUCTION (IMPLEMENT MODIFICATION ON -043)  
 -NEW ESTIMATE FOR D3591, DSI 9364-011.....MARKUP IN PRODUCTION ESTIMATES PER DSI 9364  
 -DSI 9364-011 CAN BE SOLD AS A KIT

ECN Complete: **[Signature]**

Date: 07.06.30

**AMENDMENT DESIGN REVIEW (ADR)**Part/Installation No.: D412-742 Rev \_\_\_\_\_ Design Review No: \_\_\_\_\_ Date: 07.01.26Project Number: 00082 Project Description/Title: 412 FLOAT SKIDTUBEEng. Project Manager: PETER HUM

Persons Present	Title	Initial
SERGE SHAHBAZIAN	Design Manager	<i>SS</i>
PETER HUM	Engineering Project Manager	<i>PH</i>
DAVID SHEPHERD	Chief Engineer (DE #02)	<i>DS</i>
	Manufacturing Manager	
	Quality Manager	
BILL BECKETT	General Manager	<i>MB</i>

**Comments**

- ADD SS WEARSHOES AND RUBBER GASKETS TO INSTALLATION FOR ENHANCED CORROSION RESISTANCE
- ADD EXTRA WEARPLATE TO FWD TUBE TO ADD FURTHER PROTECTION IN BENT PORTION; ORIGINAL REASON BECAUSE OF D205-634 SKIDTUBES PROBLEMS PRESENTED BY ROYAL NEW ZEALAND AIR FORCE (SEE ATTACHED)
- ADD 2 ADDITIONAL WEARPADS TO AFT TUBE BECAUSE OF RUN-ON LANDINGS (SEE ATTACHED)
- DSI ~~3326~~ WAS ADDED TO CORRECT SLIGHT WOBBLING OF FWD TUBE, THE HOLES IN THE FWD TUBE IS TOO LARGE FOR HARDWARE, THEREFORE THE MATING BETWEEN THE SADDLE AND FWD/MID TUBE IS LOOSE
- MODIFY D3391 TO INCLUDE SS WEARSHOE, GASKETS, WEARPADS, FWD TUBES D3391-011/-021 WILL BE TRANSFER DRILLED FROM D3391-013/-023 MID TUBES TO 0.438 ; THIS WILL TIGHTEN JOINT BETWEEN SADDLE AND FWD/MID TUBE
- INCORPORATE D412-742-018 CABLE GUARD INTO INSTALLATION INSTRUCTIONS
- ADD 210 MODEL COMPATIBILITY, BASED ON DR-1050-1 REPORT
- SUBMIT ALL DOCUMENTATION TO FAA DER DAVE McCLENAHAN, BASED ON MDL-D412-742 REV H

TURN OVER

Key Tasks (Check or N/A)	Check	Responsible	Completion Date
Review Outstanding TSR/NCR/CAR/PAR	N/A		
Fill out Criteria/Constraints Form – Inputs	N/A		
Fill out Project Evaluation Form	N/A		
D-Part creation/revision	X	PH	07.03.03 PH
Get Manufacturing Input	N/A		
First Article Inspection	X	PH	
Fit and Function Test	X	PH	
Structural Test	N/A		
Reports (Compliance, Loads, Stress, Conformity, DSI)	X	PH	07.03.03 PH
Check Drawings against all QSIs	X	PH/DS	
Review Criteria/Constraints Form	N/A		
Revision to existing approval	N/A	<del>PH</del>	
Close Amendment Project	X	PH	

**Conclusion:**

PROCEED AS INDICATED ABOVE

RELEASE PER ECN # 927,934,909

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mpp

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Job No: 00057		Created By: PH	Checked By:	
Product No: D412-742		Approved By:		Approved By:
Product Name: FLOAT SKIDTUBES		(Proj. Manager)		(Management if reqd)

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## REFERENCE ONLY

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13	Update QSI 021 (TC/FAA STC)		X			
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23	Update Paperwork Kits in Stock	X		KJ/LL	ASAP	
24	Red Tag Stock with old CHG #		X			
25	Rework/Scrap Current Production	X		LL	ASAP	
26	Rework/Scrap Kits in Stock?	X		LL	ASAP	
27	Update Qpulse/Laminated Dwgs		X			
28	Create/Update Controlled PDF Files	X		KJ	ASAP	
29	Create/Update FAI sheets		X			
30	Create/Update CNC Programs		X			
31	Create/Update Tooling		X			
32	MPP required?		X			
33	Notify Previous Customers		X			
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35						
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in 07.02.01  
WLP  
all who's marked  
up by Peter

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